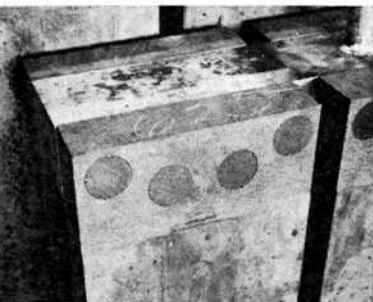
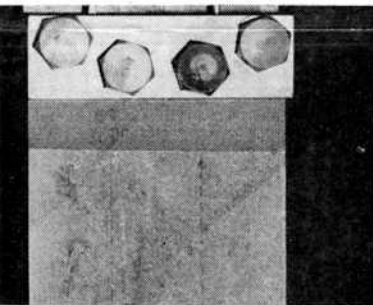




ANOTHER UNION CARBIDE NUCLEAR COMPANY "\$1 LETTER" for assignment of a patent by an employee to the United States Government was received by a Y-12er recently when Robert E. Cable, left, was cited. The presentation was made by Logan B. Emler, Manager of Production for UCNC and former Y-12 Plant Superintendent, right. The patent assigned by Cable is for a method known as "An Improved Fluorine Cell."



HERE ARE PICTURES of the "Improved Fluorine Cell." The top photograph shows how carbon anodes were fastened with large bolts with heads exposed in an ordinary fluorine cell. The bottom picture is a close-up view of the new design in which slot-head bolts are countersunk and the bolt holes plugged with carbon so as to provide a flush anode surface.

## Another Y-12er Gets UCNC '\$1 Letter'

### Cable Helped Design Better Fluorine Cell

Robert E. Cable, engineering leader in the Production Control Department of the Mechanical Operations Division, is the latest recipient of a "\$1 Letter" from Union Carbide Nuclear Company for the assignment of a patent to the United States Government. Cable received his award Tuesday, August 30, from Logan B. Emler, Manager of Production for UCNC and former Y-12 Plant Superintendent. The presentation was made in the office of Y-12 Plant Superintendent John P. Murray.

#### Developed At Paducah

The method which won the patent rights is entitled "Improved Fluorine Cell" and was developed by Cable at the UCNC Paducah Plant before he transferred to Y-12 on May 2, of this year. The award letter came from Clark E. Center, UCNC vice president, and read:

"Union Carbide Nuclear Company, Union Carbide Corporation, takes pleasure in presenting the attached (\$1 bill).  
"This is the \$1 stipulated in the patent assignment to the United States of America executed by you in connection with the filing of a patent application on your Paducah development entitled 'Improved Fluorine Cell.'"

#### Three Others Participated

Cable, in explaining his development, pointed out that Walter Goode and Wayne Henderson, of the Paducah Plant, were instrumental in helping with the improved process, as well as was G. H. Montillon, of the Oak Ridge Gaseous Diffusion Plant, making the patent award a four-man job. Each of the four received a \$1 letter for recognition of his work.

The Y-12 engineer described the process as follows:

"The improved fluorine cell is a method to cover metal anode bolts  
Continued on Page 4

## Y-12er Awarded Fellowship Grant By U. S. Steel

### Philip Shelley Plans To Study For PhD At Virginia School

The latest scholastic honors in Y-12 have been bestowed on Philip Shelley, of the Mechanical Engineering Department. Shelley has been awarded a United States Steel Foundation fellowship grant to study for his PhD degree at the Virginia Polytechnic Institute, Blacksburg, Va.

Shelley, who received his BS degree in mechanical engineering from the University of Tennessee in 1958, has already submitted his thesis for a master's degree and expects to take the examination at U-T this fall.

#### Eligibility Is Described

The United States Steel grant specifies eligibility in these terms. "A student must possess, in the judgment of the university or institute concerned, the qualifications for success in advanced study and research, and be fitted by ability, character and loyalties to fill a responsible position in industry, education, government or other field."

Completely without strings the grant states "there is no legal obligation for the university or institute, or for the individual recipient they select to render any service currently or prospectively to the donor-corporation which makes grants to the foundation. United States Steel Foundation, Inc., will follow, however, with interest the progress of study, dissertations, and activities of each individual Fellowship."

#### Came As Co-Op In 1954

Coming to work in Y-12 in March, 1954, as a co-op student, Shelley began full-time employment in June, 1958. He has been an associate engineer in Mechanical Engineering since that time.

He is married to the former Miss Patricia L. Barnes, who will teach home economics in the Virginia school system at Blacksburg. The young engineer's wife already is in Virginia teaching.

Shelley, who was born in Bristol,  
Continued on Page 4



Philip Shelley

## 9,000,000 Hours Worked Safely In Y-12

Nine months and more than 9,000,000 hours of Y-12 Plant operations without a disabling injury is the enviable record now being propelled to even higher figures. Although the current figures still are not official—there are no current minor injury cases pending that might develop into disabling situations. The last disabling accident in Y-12 occurred on December 10, 1959.

The extended period of accident-free days in the Y-12 Plant has proven its blessing to every Union Carbide Nuclear Company employee in the area—in the continued freedom from injuries, pain, worry and loss of work.

The period has demonstrated that observance of safety rules and regulations, use of prescribed safety equipment and clothing and carefulness on every job pays dividends. Of course, the immediate goal is to attain the "Big Ten" — 10,000,000 man-hours of operations with no disabling injuries. However, for the well-being of every UCNC employee in the Y-12 Plant Area—continuance of the accident-free period is the prime objective, far above records and material awards through individual safety awards.

So—one and all — keep careful and "keep those green lights flashing for safety."

## Influenza Shots To Be Available On September 19

### Free Innoculations Offered To Y-12ers Desiring Treatment

Influenza shots will be available to Y-12ers next Monday, September 19. These vaccinations are offered without charge at the Y-12 Dispensary and appointments will be made through divisional offices for Y-12ers desiring to take advantage of the opportunity to receive the inoculations.

Physicians are recommending a series of two shots—the first to be taken as soon as possible, and the second booster to follow after an interval of a few weeks. The vaccine offered in Y-12 provides immunization only from the four separate types of influenza viruses, A, B, C and D, with several groups within each type, including Group A-4, commonly known as the Asian flu.

Since influenza is a disabling illness and can often lead to serious complications, most employees are expected to take advantage of this opportunity. Immunity from this ailment can eliminate much distress and discomfort.

The appointments for inoculations will be coordinated by the Medical Department and the various divisional offices. Doctors request Y-12ers to wait until they are notified by supervision before coming to the Dispensary for the vaccine.

There is reported to be little or no after-effects of the vaccination.

## Friday Deadline To Request Badge Exchange Swap Points

For the Y-12 Plant badge exchange scheduled to begin on October 1, Y-12ers are again reminded that if they desire their new badges placed at a different portal from the one designated on the last IBM card they filled out and sent to the Security Department, they must complete another IBM card and return it to the Security Department no later than Friday of this week.

## Community Chest - Red Cross Seeking \$96,750 For Operation Of 13 Agencies; Y-12 Drive Committee Preparing For Start

Anderson County Community Chest-Red Cross officials have announced the goal for the fund drive for 1960-61, an increase of five per cent over last year's goal of \$92,000 . . . or \$96,750. The funds sought are for the operation of 13 worthy welfare agencies in Anderson and nearby counties and two Red Cross chapters.

J. W. Ebert, Superintendent of the Y-12 Plant Maintenance Division and drive fund chairman for the plant, says that the solicitors' pledge cards for Y-12ers have arrived, and that the plant campaign committee of representatives of each division in the plant has been appointed. He expects to call a meeting this week to get the drive into full swing. Last year the Y-12 Plant led the three Union Carbide Nuclear Company units in Oak Ridge with a total contribution for the year of \$30,673. More than 65 per cent of Y-12's employees gave this amount through UCNC Central



Miss Community Chest

Fund plan of payroll deductions. Meanwhile, Chest officials announce the selection of Claudette

Stokes, of Clinton, as "Miss Community Chest of 1960." She is the daughter of Mrs. Bessie Stokes and the late Mickey Stokes, and is attending East Tennessee State College, Johnson City, Tenn. Claudette will lead the fund parade to be held in Oak Ridge, Saturday, October 1.

Drive officials, who are stressing the payroll deduction plan throughout the entire county, have been successful in adding 11 more companies to this convenient manner of giving. George Mitchell, of the Y-12 Superintendent's Division, is heading the committee to contact other firms not using the plan. He announced last week that J. C. Penney, the Oak Ridge Utility District, Norris Creamery, the Bank of Oak Ridge, Oak Ridge Motors, Oak Ridge Processing Company, Loveman's, Hamilton National Bank, Davis Brothers, Oak Ridge Hospital of the Methodist Church and the  
Continued on Page 4

## Plant Publication Editors Set Ridge Meeting Saturday

The Appalachian Industrial Editor's Association, composed of editors of plant publications in a territory extending from Oak Ridge to Roanoke, Va., and into the Carolinas, will hold a quarterly meeting on Saturday of this week, September 17, in Oak Ridge. The meeting will be in the Holiday Inn.

A business meeting is scheduled for Saturday afternoon, to be followed by a social hour and dinner, with Union Carbide Nuclear Company being host at the entertainment. All of the Carbide publications in Oak Ridge are members of the AIEA and their editors are assisting in arranging the meeting.

# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
UNION CARBIDE  
NUCLEAR COMPANY  
Division Of  
UNION CARBIDE CORPORATION

GEORGE W. DOBBS Editor

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## ASM Chapter To Hear General Electric Man

Dr. Karl T. Aust, of the General Electric Corporation Research Laboratory, will speak at a meeting of the Oak Ridge Chapter of the American Society for Metals next Wednesday night, September 21. The meeting will be at the Holiday Inn, Oak Ridge, at 8 p.m. and will be preceded by a dinner at 6 p.m.

Dr. Aust will discuss the structure of grain boundaries in metals. Experimental evidence will be described concerning the properties of grain boundaries that have yielded the most information about their structures.

Born in Toronto, Dr. Aust received his BA in science in metallurgical engineering from the University of Toronto and a master's and PhD degrees in physical metallurgy from the same university. He joined General Electric in 1955.

The Oak Ridge Chapter of the ASM has announced that Dr. Coy M. Glass, Aberdeen, Md., Proving Grounds, will speak at a chapter meeting on October 26 on "Explosive Forming." On November 16, Dr. W. J. Harris, Materials Advisory Board, will speak on "National Materials Problems." The chapter will hold its Christmas Party on December 10 at the Deane Hill Country Club.



Ride wanted from Ogontz Lane, Oak Ridge, to East Portal, straight days. C. L. Evans, plant phone 7253, home phone Oak Ridge 8-5203.

Ride wanted from Bearden section, Knoxville, to Biology Portal, straight days. R. L. Oswald, plant phone 7008, home phone Knoxville 8-3263.

Ride wanted from Clinton to Bear Creek Portal, G Shift. R. E. Phillips, plant phone 7246, home phone Clinton 1351.

Ride wanted or will join car pool from Delmar Circle, Oak Ridge, to West Portal, straight day. Hugh Caudill, plant phone 7466, home phone Oak Ridge 5-9556.

Want to join car pool from vicinity Pennsylvania Ave., and Tulane Ave., Oak Ridge, to West Portal, straight day. H. S. Pohto, plant phone 7-8831, home phone Oak Ridge 5-1620.

Ride wanted from West Haven, Knox County, to West Portal, straight day. Neil Griffith, plant phone 7528, home phone Knoxville 3-0990.

## IRE Meeting Will Hear Lecture By Dr. D. A. Rose

The Oak Ridge Chapter of the Professional Group on Nuclear Science of the Institute of Radio Engineers will meet tomorrow night, Thursday, September 15. The meeting will be at 7:30 p.m. in the Green Room of the Ridge Recreation Hall in Oak Ridge. Dr. D. A. Rose, of the Oak Ridge Institute of Nuclear Studies Medical Division, will lecture on "Clinical Gamma Ray Detectors and Their Problems." The public is invited.



HERE ARE SOME PICTURES OF THE D SHIFT WEINER ROAST staged at Concord Park September 1. The group at top left shows the Fire and Guard Department delegation. Just below is the long "chow line," always an important factor in any outing. At top right Elbert Lockhart, of Production Control, displays some of the tricks of magic and ventriloquism that entertained the big throng of guests and the lower right picture shows a part of the big audience he drew.



The Hour of Meditation has arrived—to meditate on what to say about the happenings to Y-12ers for the edification of the readers of this Colyum. So, with a pensive (darn that telephone) gaze into the patio as the hallway is resounding with the click and pounding of exiting feet—here goes, starting out with—

### TECHNICAL

Mechanical Inspection conveys word that E. L. Henson is doing everything possible to take things easy during his vacation at home in Knoxville.

### CHEMICAL OPERATIONS

Colex Operations confides that C. Massengale "is at home doing some squirrel hunting." (Advice by the Colyum Conductor to the Massengale household—hide the nuts.) . . . Bill Geldmeier has gone thataway to Texas to visit kin folks in the Lone Star State . . . Charlie Verboom and wife, Gracie, were in the Sunshine State of Florida visiting relatives, relaxing and probably watching out for Hurricane Donna . . . Best wishes go along with Co-Ops Judy Bartlett and Wayne Goode, re-entering the University of Tennessee; and Tom Pell to University of Florida for more sessions with the books . . . Get well wishes go to John Isabell, at home trying to shake off a "bug" . . . A. T. Van Dyke is welcomed back after a long illness.

### INDUSTRIAL RELATIONS

Whoops—another baby to cheer a member of the Fire and Guard Department—this week's presentation is Sharon Gail Liles, daughter of Guard L. D. Liles and Mrs. Liles. Sharon Gail put in her appearance on August 25 and weighed a whopping nine pounds, three ounces . . .

Guard J. F. Price is welcomed back after much time off because of miseries in his back . . . Get well wishes go to Guard J. A. Margrave in Presbyterian Hospital in Knoxville and Guard E. McFarland in Oak Ridge Hospital . . . Chief Miles Bradford is vacationing at home in Norris.

### MAINTENANCE

Research Services said "goodbye and good wishes" to summer help

Peggy Reynolds and Jim Hylton last week . . . Get well wishes are extended Charlotte Smith, injured in an automobile accident several weeks ago. She is at home for awhile before returning to a hospital for more treatment . . . Also rapid recovery wishes go to D. J. Wood, C. C. Bowman and D. B. Blackburn . . . Ernest Rogers is back from his vacation spent at the walking horse competition at Shelbyville, Tenn., in which he had an entry.

Electrical reports Al Sawyer is on vacation this week admiring the trophies and cash winnings from the Go-Kart races over the Labor Day week end at Maryville and Athens. (The Bulletin hopes to have a detailed story and pictures of "Go Al, Go" and his Kart in an early edition) . . . R. J. Spurling is the latest member of the departmental Proud Pop Club—a daughter was born into the family September 7 at Chamberlain Memorial Hospital at Rockwood, weighing nine pounds, 10 1/4 ounces . . . B. M. Cox and R. P. Rosenbaum are vacationing in their respective old home towns of Dungan and Crockett, Va. . . R. E. Douglas is cavorting in Chattanooga. . . R. E. Baker went to see some kin folks in Cincinnati and returned to do some interior decorating on his home in Powell while vacationing . . . Get well wishes go to ailing C. O. Johnson, J. S. Johnson and J. H. Whidden.

### MECHANICAL OPERATIONS

Rolling and Forming folks are envying R. S. Rucker—he has a beach in his own back yard. Fellow R&Fers are hinting all over the place for an invite to Rucker's swimming pool, where he spent his recent vacation . . . Joe Williams is reported asking for bids for construction of a marble tower in which to display the trophy he won in the recent All-Carbide Golf Tournament and for those he expects to win in future years.

The TW Shop extends its best get well wishes to G. Neal, off on sick leave . . . R. D. Bowen was out whoopin' it up in his boat on Watts Bar Lake over the Labor Day week end. Now the propeller of his boat is lying somewhere on the bottom of the lake, and it looks as if he will have to take up skin diving to recover the vital part of his craft.

Beta Four Heavy Machine Shoppers are hearing a lot of bragging by J. H. Moore on his recent trip to California—but they don't blame him as he made the journey by jet plane . . . J. L. Gilliam was a spectator at the Southern 500 automo-

## Y-12ers With 15, 10 Years Company Service

Congratulations to the Y-12 employees listed below who will complete 15 and 10 years of Company Service within the next few days:

### 15 YEARS

Wheeler Boshears, Guard Department, September 14.  
Zola M. White, Product Processing, September 18.

### 10 YEARS

Cletus A. Rinderer, Machine Maintenance, September 14.  
David A. Jennings, Maintenance Division, September 18.  
William P. Moore, Buildings and Grounds, September 18.  
Benjamin F. Smith, Buildings and Grounds, September 18.  
Charles E. Walker, General Machine Shop, September 18.  
Mack E. Ballew, Receiving, September 18.  
Fred B. Matthews, Area Five Maintenance, September 19.  
Chester L. Johnson, Buildings and Grounds, September 19.  
Immer J. C. Maples, Steam Plant, September 19.  
Milton M. Dickens, Production Control, September 20.

bile race at Darlington, S. C., on Labor Day . . . Ella Stansell spent the holiday week end on Watts Bar Lake just enjoying being lazy and also the company of her hubby . . . H. G. Long is spending two weeks with Uncle Sam for military training . . . C. E. Anderson is vacationing in Gatlinburg to enjoy "that air" mountain atmosphere . . . J. G. Plummer is visiting kin folks in North Carolina and A. E. Perry is doing likewise in Kentucky . . . O. W. Morris is taking in the sights of Atlanta . . . W. D. Sisson, Jr., is resting up at home this week after a trip to the West last week . . . J. R. Pugh is welcomed back after being off work for some time with a virus infection.

General Machine Shop has a flock of ailing folks, so sends get well wishes to R. D. Wayland in Blount Memorial Hospital, Maryville; E. L. Pemberton in Presbyterian Hospital, Knoxville; A. T. Sharp, D. M. Willey, W. W. Freisland, C. E. Graves, R. A. Guy, R. L. Gilmore, J. F. Ray, John Shoopman, J. S. McCarty and Joe McConnell in a Memphis hospital for an ear operation. . . Alfred Hume and Hillard Kent, summer employees, are leaving this week to return to University of Tennessee studies . . . Condolences are extended J. H. Patrick, whose grandfather died in Columbus, Miss., on September 3 . . . Likewise to Earl Fritts, whose father-in-law succumbed September 6 in Knoxville.

Continued on Page 4

## D Shift Outing Draws 352 Guests, Reported Record

The fifth annual D Shift weiner roast staged at Concord Park on Thursday, September 1, drew 352 guests that included D Shift Y-12ers and members of their families—reportedly a record for any shift party ever sponsored by a Y-12 group.

A wide program of entertainment and recreation was offered. Elbert Lockhart, Production Control, presented his routine of magic tricks and ventriloquism. Boating, water skiing, badminton, volleyball, horseshoe pitching and other sports were staged. In addition, radio and television sets were provided so that no guest would miss a favorite program.

Transportation to and from the picnic grounds was both by automobile and boats.

Several fine prizes were awarded by drawing during the outing. Winners included Jack Barger, picnic basket; Eva Vinson, bathroom scales; Jerry Clowers, electric frying pan; Billy Edwards, clothes hamper; Hilma Surber, barbecue grill; and Buster Skeen, hair dryer. Each child attending was presented with a comic or coloring book and candy.

The D Shift recreation committee consists of W. A. Cofer, Sunflower Shop, chairman; G. A. Atchley, Emmett L. Moore and Paul Surber, Fire and Guard; C. R. Martin, General Machine Shop; Ernie Foster, Alpha Four; J. D. Tolliver, Utilities; Herb Oliver, Chemical; J. F. Mays, Steam Plant; Zollie Kidwell, Stores; and W. C. Smith, TW Shops.



Get well wishes are extended the following Y-12 employees who were patients last week at the Oak Ridge Hospital:

Minnie V. Hawk, Tabulation Services; C. W. Toney, Maintenance Auto Equipment; Rella Davis, Laboratory Operations; Donald J. Woods, Research Services; L. E. Hart, Process Maintenance; Howard Esty, Property; O. A. Lynch, Fire and Guard Department; L. F. Powell, Timekeeping; K. W. Mercner, Janitors; N. G. McNeal, Receiving; H. T. Clark, Sunflower Shop.

## ORNL Physics Division Sets Two Talks This Week

Two lectures on "Meson Physics and Dispersion Relations" have been scheduled by the Physics Division of Oak Ridge National Laboratory for today, Wednesday, September 14; and Friday, September 16. Dr. Josef M. Jauch, of the University of Geneva, Switzerland, will be the speaker. Y-12ers interested in the subject are invited to attend the lectures. The meeting today will be at 10 a.m. and the Friday talk is scheduled for 3:15 p.m., both in the auditorium of Bldg. 4500, ORNL.

## Hamburger Fry Scheduled Saturday By Three Shifts

Y-12ers on the E, F and G Shifts will hold a hamburger fry and outing at Concord Park on Ft. Loudoun Lake on Saturday of this week, September 17. Tickets for the function will be 75 cents for adults with children under seven years old being admitted free. Activities will begin at 2 p.m. with games and contests slated and serving of food will begin at 5:30 p.m.

## SPEEDING PROVES FATAL

A study compiled by The Travelers Insurance Companies shows that speed was responsible for 12,980 traffic deaths in 1960—more than 43 per cent of the total.



**THE 1960 CHAMPIONSHIP IN THE TRI-COUNTY LITTLE LEAGUE** was won by the Oliver Springs team, left, coached by J. W. Jackson, a Y-12er in the Chemical Department. In the front row are, from left, Jerry Justus, son of Dean Justus, Y-12er in Research Services; and David Jackson, son of the coach. In the second row are Steve Hensley, Hubert Phillips and Charles Tompkins. In the back row are Allen Jackson, also a son of the coach; Gay Krist, Ray Patterson, Eddie Jackson, Wallace Chadwick, Coach Jackson, David Hall, Kenny Brown, Bat Boy Bill Jackson, another son of the coach; and Terry Justus, another son of Dean Justus. The picture at right shows Coach Jackson, left, receiving the league championship trophy from the Rev. Don Peek, pastor of the First Baptist Church, Oliver Springs.

## Oliver Springs Little Leaguers Piloted To 1960 Tri-County Loop Crown By Y-12er

Under the tutelage of a Y-12er, J. W. Jackson, of the Chemical Department in Bldg. 9206, a spirited band of Little League baseballers brought the 1960 championship of the Tri-County League to Oliver Springs.

## Stars Blank Foes In Classic Loop; Wolves Score Well

The All Stars scored the only whitewash win in the opening round of bowling in the Classic League of Y-12 maple maulers last Thursday night. The All Stars blanked the Smelters for four points. However, most of the fireworks of the alley activities flashed around the Wolves, three-point winners over the Swingsters. The Wolves accumulated all individual scoring honors and had the best team series scores of the night.

Roy Scates took scratch scoring honors with a 254 game and 599 series. Veteran Frank Gragg had a 260 handicap game and 639 series for tops. The Wolves had the best team series scores with 2575 scratch, increased to 2977 with handicap. The Markers had a 966 scratch and 1088 handicap game for tops.

In other hardwood hassles last week three-point wins were recorded by Rippers over Eight Balls, Markers over Rebels, Tigers over Bumpers and Sportsmen over the Screwballs. There were two ties of two points each registered, Playboys and Cubs and Wasps - Has Beens. League standing follows:

Team	W	L
All Stars	4	0
Wolves	3	1
Rippers	3	1
Markers	3	1
Tigers	3	1
Sportsmen	3	1
Cubs	2	2
Playboys	2	2
Wasps	2	2
Has Beens	2	2
Bumpers	1	3
Screwballs	1	3
Rebels	1	3
Eight Balls	1	3
Swingsters	1	3
Smelters	0	4

## Skeet Shooters Set Meeting Thursday

Skeet target shooting enthusiasts in the Y-12 Plant expect a good turnout at a meeting called for Thursday night of this week, September 15. The meeting will be held at 7:30 o'clock in the reception room of the Employment Office, Bldg. 9704-2.

Plans will be laid for conducting shoots again this year. Last year some 20 or more shotgun marksmen engaged in the sport on Sunday afternoons at the Oak Ridge Sportsmen's Association range and even more activity is expected this season.

## W. Kids, Wonders Win Softy Crowns

### Y-12 Atoms Still Have Chance For Second Spot

The Whiz Kids of Y-12 copped the crown in the Fast Pitch Division of the Carbide Softball League and the Kentucky Wonders of Oak Ridge Gaseous Diffusion Plant were titlists in the Slow Pitch Division following a successful season of play in both groups. The Whiz Kids didn't lose a game all summer while the Kentucky Wonders were beaten only once, by the ORGDP Process Engineers, who chased the victors right down to the wire in the second half of the schedule.

There is one bit of unfinished business in the Fast Pitch circuit that involves second places in both the first and second halves of the season. The Y-12 Atoms have one game to play against the Whiz Kids, needing a win to clinch the runner-up spot from the ORGDP D Shift team, with whom the Y-12ers were tied at the end of the first period. In the second half the Atoms assured themselves of a tie for second place with a rousing 12 to 11 win on September 6 over the same D Shifters and clinched the spot by trimming the same team by 4 to 0 September 8 as Jim Grubb hurled a two-hitter.

The Kentucky Wonders wrapped up the loop championship in a one-game playoff engagement by blanking the Process Engineers by 7 to 0.

## Fishing Rodeo Set For Kids Saturday

Boys and girls under 16 years of age who like to fish will have an opportunity to try their skill on Saturday of this week, September 17. The Anderson County Sportsmen's Club will hold its annual Kids' Fishing Rodeo on that date.

The event will be held from 2 p.m. to 4 p.m. at the club's pond in Wolf Valley. There is no entry fee and prizes will be presented to the youthful anglers landing the biggest fish. Free refreshments will be served.

and 268 handicap game, 647 and 713 series. After the SPs posted the best scratch game of the night, the IBMs then took other team scoring highs with a 1057 handicap game, 2610 scratch and 3072 handicap series.

Team	W	L
Beta Fours	10	2
SPs	9	3
C Shift	8	4
Alley Cats	7	5
Ramblers	7	5
IBMs	7	5
Big Five	6	6
Chillers	5	7
Hifliers	4	8
Por Busters	4	8
Sunflowers	3	9
Hookers	2	10

## Beta Fours Take Lead In C Loop

The topsy-turvy race in the C Bowling League saw another upheaval on September 5 when for the third straight week a different team occupied first place. In the latest reported alley activities the Beta Four team surged to the top spot in the standings with a four-point whitewash win over the Chillers. The Par Busters blasted the one-time leading Sunflowers by a similar score to send the losers to next to last place and the IBMs got four points on a forfeit from the Hookers. The SPs, leaders after August 29 bowling, dropped to a tie for second place with C Shift, these two teams breaking even at two points each. In other tilts the Hifliers treed the Alley Cats and the Big Five bumped the Ramblers, each by three.

After gaining their forfeit, the IBMs took to the alleys to roll for record and posted imposing tallies. Roy Scates swept all individual scoring honors with a 246 scratch

# Dorr's '60 All-Carbide Victory Is Third; Y-12ers Have Been Champs Since 1955

## Plant Linksmen Win 13 Of 26 Flights

By winning the championship of the All-Carbide Golf Tournament for 1960, Y-12er Carl Dorr became the only Carbide linksman to have won the event in three different years. In addition to his 1960 triumph, Dorr forged to victory in 1957 and 1958.

### Six Out Of Six

Dorr's 1960 All-Carbide victory also made it six triumphs in as many years for Y-12ers in the Company event. Back in 1955 Palo O'Neal, former Y-12er now a golf professional, was the titlist. Art Hines won the crown in 1956. Then came Dorr's two previous wins in the tournament. Al Gillen stepped into the picture in 1959 but did not compete in the 1960 event.

In addition to the victory by Dorr in this year's All-Carbide tournament, Y-12ers also won top honors in 12 other flights, making a sweep of 13 of the 26 flights in the competition.

### Other Champs Listed

The other Y-12 flight champions follow:

Joe Pryson, No. 2; A. H. True, No. 3; J. W. Phillips, No. 4; J. H. Boyd, No. 5; Karl Kahley, No. 6B; F. K. Clabough, No. 12; H. J. Ratjen, No. 13; George Evans, No. 15; C. R. McGinnis, No. 16; C. D. Robinson, No. 17; Joe Williams, No. 18; and Ed Del Grande, No. 16.

Pryson, Phillips, Boyd, Clabough and Williams defeated fellow-Y-12ers in finals of their respective flights. Boyd and Phillips also are repeaters from flight wins in the 1959 tournament in which Y-12ers won nine flights in addition to the championship by Gillen and the Consolation Flight by George Wylie.

## Mixed Loop Posts Three Whitewashes

The Mixed League of Y-12 men and women bowlers got away to a good start last week with three whitewash wins being turned in and good scores being posted during the session at the Ark Lanes. The four-point victories were posted by the Scrappers over the Goofers, Cool Cats over the Alley Cats and Toppers over the Nip and Tucks. The Pin Plasters popped the Phantoms for three points.

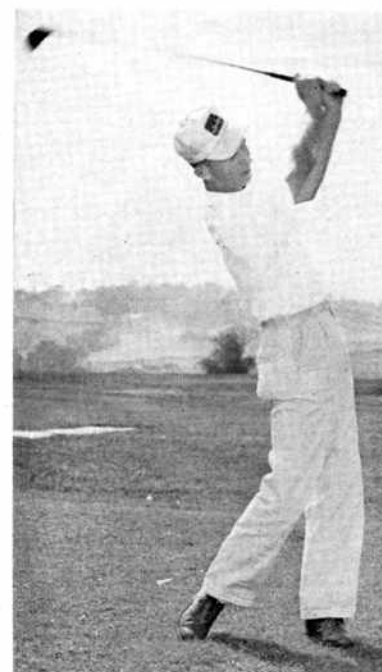
Helen Beckner, Toppers, had the best scratch scores on the distaff side with a 163 game and 426 series. Tom Hudson, Goofers, rolled a 212 scratch game and because of no previous handicap was credited with a 212 handicap game. Hudson also had a 582 handicap series. Lettie Ault had the best women's handicap game of 200. Joe Dunlap rolled a 559 scratch series for the Pin Plasters and Joyce Gillihan, Nip and Tucks, had the best women's handicap series of 559.

### League standing follows:

Team	W	L
Scrappers	4	0
Cool Cats	4	0
Toppers	4	0
Pin Plasters	3	1
Phantoms	1	3
Alley Cats	0	4
Goofers	0	4
Nip and Tucks	0	4

## Harriman League Again Deadlocked

As the Harriman Golf League for Carbide linksmen nears the end of its second half of the season, another deadlock exists for first place in the loop. After latest reported play Isham - Crass and Thomas-Hamill are tied for the top spot in the standings. Thomas-Hamill took three and one-half points from Buttram-E. Brown and Isham-Crass beat Cuneo-Grimes by three. In other matches Creswell-Winters whitewashed Tilley-Willmarth by four points and Henck-Lynn took a similar decision from Scalf-



**CARL DORR Wins Third Championship**

## Gambill-Hamby Cop Golf Crown

### Ties For Second, Third Mark Finish

The 1960 championship of the Oak Ridge Golf League for Y-12ers was taken by the capable team of Ed Gambill and Newt Hamby, which wound up the season last Wednesday with a four-point triumph over Holzknecht - Peckman. Next to the title clinching, the final day of the season resulted in a two-way tie for second place and a three-way deadlock for third.

Hill-Hoppe and Brown-Roberts each had a shot at the crown, but met head-on to split six points evenly and end in a tie for second with Boyd-Oliphant, who whipped Kahley-Luck for four. Logan Emlet-Hines whitewashed Thomson-Breman, Wallace-Peterson handed Cloyd-Hackett a similar defeat and Bailey-Stout blanked Ratjen-Davis. Smith-Bartholomew took five points from Mee-McLendon. Even splits of three points were posted by John Emlet-Underwood and Belvin-Hopkins, Dehoney-Orrison and True-Earley and Youngblood-Burkhart and Gregory-Kurtz. Mitchel-Tibbatts got six points through a bye.

Gambill's 40 was the top scratch score of the round. Gambill, Holzknecht and Peterson tied with 36s for low handicap.

Team	W	L
Gambill-Hamby	88	38
Hill-Hoppe	84	42
Boyd-Oliphant	84	42
Brown-Roberts	83	43
Smith-Bartholomew	83	43
Logan Emlet-Hines	83	43
John Emlet-Underwood	70	56
Ratjen-Davis	69	57
Dehoney-Orrison	68	58
Mee-McLendon	67	59
Mitchel-Tibbatts	67	59
Belvin-Hopkins	63	63
Holzknecht-Peckman	60	66
Cloyd-Hackett	58	68
Wallace-Peterson	58	68
Thomson-Breman	57	69
Kahley-Luck	53	73
True-Earley	53	73
Youngblood-Burkhart	52	74
Gregory-Kurtz	48	78
Bailey-Stout	38	88

Deal. Pickel-O'Keefe defeated Stanley-Warlick by three and one-half and Jordan-B. Brown took four points by forfeit. Magyar-Sharpe and Ellis-B. Brown did not complete their match.

Team	W	L
Isham-Crass	26 1/2	5 1/2
Thomas-Hamill	26 1/2	5 1/2
Creswell-Winters	23 1/2	8 1/2
Cuneo-Grimes	21 1/2	10 1/2
Buttram-L. E. Brown	21	11
Henck-Lynn	19	13
Ellis-W. H. Brown	16	12
Magyar-Sharpe	13 1/2	14 1/2
Jordan-B. Brown	13	19
Pickel-O'Keefe	12 1/2	19 1/2
Stanley-Warlick	10	22

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Continued from Page 2

The welcome mat was rolled out last week for newcomer **D. D. Allen**. **K. M. Atkins** was welcomed back after a five-week stay in Oak Ridge Hospital. **W. C. Crowe** is on jury duty this week. **Kathleen Milligan**, the Colyum's agent in the Shop, spent the Labor Day week end with her daughter in Atlanta. At the same time **Peggy Ledford** and her family camped out under the stars in the North Carolina mountains. **O. K. Sergeant** utilized the holiday for a hiking trip over around Hampton, Tenn. Florida vacationers are **C. O. Mathena**, **E. R. Easterday** and **J. W. Cantrell**. **Bill Witt** and **D. L. Bowers** are taking in the "big fair" in Knoxville this week. **Janice Gore** has her sister and family visiting from Ft. Worth, Tex., and plans to take them sightseeing over in North Carolina. **W. J. Crabtree** is vacationing at his home in Athens, Tenn., emerging at times to go squirrel hunting. Other home vacationers are **J. A. Massengill** at home in LaFollette and **J. T. Creasman** in Oak Ridge.

### FINANCE AND MATERIALS

Property sends rapid recovery wishes to **H. I. Esty** in Oak Ridge Hospital. **T. A. Narcosse** and his wife, Laura, of Communications, are vacationing at home in Oak Ridge. **R. A. "Judge" Angel** is accompanying his daughter, Sue, to Virginia where she is enrolling in Emory and Henry College.

Plant Records extends get well wishes to **Emma Puckett** in Oak Ridge Hospital. **Betty Walker** is vacationing in Cleveland, Ohio.

The welcome mat was rolled out by Engineering Records last week to **Georgia Rader**, recently transferred to the department. **R. I. Mann** is vacationing this week to drive his new British flivver down to Cleveland, Tenn.

Home in Clinton is the vacation hideaway of "**Vandy**" **Vandergriff**, of the Cashier's Office.

### ENGINEERING

Mechanical Engineering reports **Jack West** is a vacationer — with plans for finishing the automobile upholstery job he began last summer. **Burl Chambers** is spending his vacation camping. **Jerry Schulte** is bound back for Tennessee Polytechnic Institute to resume his studies—going by way of New Orleans for a week of rest (?). **Lillian Higgins** is spending her vacation in St. Petersburg and Panama City, Fla., with her husband and son. **Jack Blackerby**, his wife and son, also are Florida vacationers, staying at Elinor Village on Daytona Beach. **Nora Moss** meandered over to Knoxville on a recent week end to attend the wedding of a friend. **Ronnie Stenglein** also is a vacationer from the Beta Four batch of MEs with **Peggy Silver** taking over her chores in the office and **Russ Hensley** subbing as Ronnie's replacement as Colyum correspondent.

### SHIFT SUPERINTENDENTS AND UTILITIES

While vacationing for two weeks, **D. P. Anderson**, of the PSS Office, and family will visit relatives and friends in Utah and will leave

their son in Provo to enter Brigham Young University.

Utilities sends get well wishes to **J. H. Potter** in University Hospital in Knoxville, **J. W. Fox** in Presbyterian Hospital and also to **J. L. Finchum**, ill at home. On vacation is **Eugene Clowers** at home fishing and squirrel hunting. **J. L. Chapman** is working around his home. **R. H. Eddington** is visiting relatives in Jacksonville, Fla., where he will try some deep sea fishing. **F. M. Gambell** is visiting friends in Williamsburg, Va., and High Point, N. C. **J. B. Tallent** went to St. Petersburg, Fla. **C. A. Cox** is visiting in Welch, W. Va., Monroe, Mich., Kokomo and Indianapolis, Ind., quite an itinerary for two weeks.

Fishing and water skiing on Watts Bar Lake were vacation pastimes of **L. L. Kilgore**, Steam Plant. **R. E. Ballew** is catching up on his rest at home this week.

"The time has come, the Walrus said"—and that goes for this corner. It's closing time—and then some. So—see you next week.

## Chest, RC Sets Goal Of \$96,750 In Drive

Continued from Page 1

City of Oak Ridge had all agreed to adopt the payroll deduction plan. The Southern Bell Telephone and Telegraph Co. and Oak Ridge Institute of Nuclear Studies previously had announced their adoption of the plan.

Chairman Ebert voiced confidence in Y-12ers again leading the field this year in contributions to the fund drive. He said, in looking over the divisional appointments, that with the cooperation of the various departmental leaders named, the drive should be successful.

Y-12ers have, of course, the usual choices of counties to receive their individual contributions. The counties are Anderson, Knox, Roane and Morgan.

Budget officials for the Community Chest announce the following allocations for 1960-61:

<b>Daniel Arthur Cerebral Palsy</b>	\$ 9,800
<b>Oak Ridge Regional Mental Health Center</b>	9,000
<b>Emory Valley School for Retarded Children</b>	7,600
<b>Boy Scouts</b>	9,000
<b>Girl Scouts</b>	7,500
<b>Campfire Girls</b>	3,200
<b>Young Women's Christian Association</b>	3,600
<b>Young Men's Christian Association</b>	2,300
<b>Anderson County Distressed Families</b>	2,700
<b>Holiday Bureau</b>	1,500
<b>Scarboro Day Care Center</b>	3,000
<b>Anderson County Crippled Children's Committee</b>	600
<b>Anderson County Rescue Squad</b>	3,000
<b>Administration Fund</b>	1,500
<b>Campaign Expenses</b>	1,000
<b>Oak Ridge Chapter and Anderson County Chapter of the Amer. Red Cross</b>	31,450
<b>Total</b>	<b>\$96,750</b>

## Unauthorized Picture Taking Is Prohibited

### AEC Regulations Ban Action For Security

Oak Ridge nuclear energy plants and laboratories operated by Union Carbide Nuclear Company for the Atomic Energy Commission offer many interesting views that cause shutter fingers of amateur photographers to become "itchy." However, AEC has strict regulations prohibiting unauthorized persons from taking pictures from territory inside the AEC "Controlled Areas," established for the security protection of the UCNC installations engaged in national defense activities. The AEC regulations, also for security purposes, bans making of sketches, maps or other graphical representations of the plants and laboratory areas from the Commission's controlled areas.

Parking lots at UCNC plants and laboratories, side roads and any road not open to general public use — these highways are plainly marked—are in the AEC controlled areas. Although it is permissible for family members and friends to pick up UCNC employees from such parking lots, the lots are not generally open to the public—and making of pictures from them are strictly forbidden. The same ban applies to visitors being escorted by UCNC employees around the perimeter fences of plants. Such escorting UCNC employees should warn any visitors against picture taking of this type. This will prevent the visitors from possible embarrassment—or even possible heavy penalties for violating the AEC regulations.

## Schultz-Thomas Lead Lenoir Loop

Another leader took charge in the Lenoir City Golf League for Y-12 and Oak Ridge National Laboratory players during the week of September 5. Schultz-Thomas backed into first place by a forfeit win from Spradlin-Pluhar. Wright-Simmons, the former leaders for one week, dropped to second place by absorbing a three-point defeat at the hands of Carter-O'Hara. Beckett-Frank Kennedy blanked Rutherford-Stinnett by four points, Bowles-Koontz licked Ernest Kennedy-Ludlow and Arrowood-Wray beat C. Harris-T. Harris by the same score. Hicks-Cook grabbed three and one-half points from Collins-Watson and James-Kinkaid took three from Thompson-Rogers.

Mac Wright had low scratch and handicap scores of 41 and 30 for the round. Frank Kennedy and O'Hara tied at 42 scratch and O'Hara had a 35 in handicap scoring.

Team	W	L
Schultz-Thomas	21½	10½
Wright-Simmons	21	11
Bowles-Koontz	21	11
Hicks-Cook	20	12
Carter-O'Hara	19	13
James-Kinkaid	18½	13½
Collins-Watson	16½	15½
Thompson-Rogers	16	16
Harris-Harris	15	17
Frank Kennedy-Beckett	14	18
Arrowood-Wray	13½	18½
Spradlin-Pluhar	10½	21½
Ernest Kennedy-Ludlow	9	23
Rutherford-Stinnett	7½	24½

## Courses In Piloting Offered By ORPS

All Y-12 boating enthusiasts are invited to enroll in the course on "Piloting and Small Boat Handling" to be offered by the Oak Ridge Power Squadron. Classes will begin on next Wednesday night, September 21, at the ORPS Drydock (headquarters) on Emory Road opposite the School for Retarded Children.

The course offers training in several subjects of vital importance to boat owners and pilots. The topics include government and state rules and regulations, aids to navigation, seamanship, river piloting, outboard boat operations, charts and water safety. Instructors are members of



INDUSTRIAL AND RESEARCH PHOTOGRAPHERS of Oak Ridge elected the above members as officers at the group's organizational meeting September 1. From left are John Edwards, Oak Ridge Gaseous Diffusion Plant, vice president; Joe Jernigan, Oak Ridge National Laboratory, president; and Ward Bandy, also of ORNL, secretary-treasurer.

## Industrial And Research Photographers Of Oak Ridge Organize Technical Group

Another organization has been added to the list of Oak Ridge technical societies. A group of 16 research and industrial photographic personnel from the three Union Carbide Nuclear Company plants in Oak Ridge, the Atomic Energy Commission and the Oak Ridge Institute of Nuclear Studies met September 1 to perfect the Industrial and Research Photographers of Oak Ridge. The organization may affiliate itself later with the Professional Photographers of America.

Joe Jernigan, Oak Ridge National Laboratory, was elected president of the new group. Ward Bandy, also of ORNL, was named secretary-treasurer; and John Edwards, Oak Ridge Gaseous Diffusion Plant, was picked as vice president. Jernigan is photographic supervisor at the Y-12 Plant and Bandy also is stationed here. Both do practically all the photography for The Bulletin.

The objectives of the PPA are to maintain and promote the highest standards of technique and skill among its members and associates.

The PPA will meet at 7 o'clock on the first Thursday night of each month, the sites to be announced in advance of each meeting. A quarterly social event also is planned.

## Y-12er Is Awarded Fellowship Grant

Continued from Page 1

Va., October 5, 1935, received a Bausch-Lomb science award while in high school. He belongs to Tau Beta Pi, honorary engineering society; and Pi Tau Sigma, the national honorary mechanical engineering fraternity. He also is a member of the American Society of Mechanical Engineers.

The full scholarship award covers tuition and fees, plus ample living expenses for the student in residence. It also carries a bonus in case the candidate for the doctorate degree is married.

Shelley leaves Y-12 Friday and takes with him the best wishes of his friends and fellow-workers for a successful stay at VPI.

## Gene O'Hara Wins Y-12 Tennis Crown

The heat wave kept most all netmen away from the courts last week in the Y-12 Men's Singles Tennis League as Gene O'Hara clinched top honors. The only action of the week saw Ray Kuhn sweep by Mike Laggis 3-6, 6-4, 6-3.

The only remaining matches in league play will pit Kuhn, Rekmeyer, and Harper, all against Fischer.

Player	W	L
O'Hara	9	0
Campbell	8	1
Pridgen	7	2
Huber	5	4
Kuhn	3	5
Rekmeyer	3	5
Fischer	2	4
Laggis	2	7
Harper	1	7

the ORPS who have successfully completed the course in previous years.

## Another Y-12er Gets UCNC '\$1 Letter'

Continued from Page 1

by means of counter-sinking them into carbon which covers them with a carbon plug. This action essentially stops the costly corrosion of the anode bolts, thus prolonging their life considerably. It is used as a standard in the Paducah Plant and is also used extensively in the Gaseous Diffusion Plant here in Oak Ridge.

### Life Of Cell Increased

The addition of a carbon plug covering the bolt completely was the final step in the development of an idea which increased cell life from 32,000,000 to 35,000,000 ampere-hours.

Work began on the development in the Paducah plant in 1956. The basic need was to increase fluorine production efficiency by lengthening the life of fluorine cells. First drawings of ideas were made in December, 1956, and the first test model was built early in 1957.

Cable went to work in the Paducah Plant June 13, 1951, and was an assistant process area superintendent there when he was transferred to Y-12 early this spring.

### Native Of Mississippi

He was born in Columbus, Miss., August 25, 1929. He attended public schools in Murray, Ky., and received his BS degree in chemistry and mathematics from Murray State College. He and his wife live with their four children at 120 Albany Road, Oak Ridge.

In the July issue of "Industrial and Engineering Chemistry," a story appeared describing recent improvements in UCNC's fluorine cells. This new anode connection was noted as one of the most significant developments in the large-scale manufacture of elemental fluorine. A description of the ideas tested, results and graphic illustrations were included to show the improvement and its effect on cell maintenance.

Pollution, no matter how you approach it, is a stinking subject.

## SAFETY SCOREBOARD

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